

# Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 3, No. 14

OAK RIDGE, TENNESSEE

Tuesday, April 12, 1949



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THERE WAS LOTS OF ACTIVITY AROUND BLDG. 9706-1 last week as the Y-12 Guard Department prepared to move in the building as its new headquarters. At the left, Desk Sgt. D. B. Williams is seen at the new operations desk receiving a record from Capt. J. H. Connor. T. A. McKenzie, Superintendent of Plant Protection, is next asking a question of Instrument Mechanic M. L. Stephens, who has completed some work on the switchboard. In

the center picture, J. J. McNamara, Dept. A12N, General Maintenance Office, Planning and Estimating, peers through a window in the new wash and shower room to give instructions to Carpenter C. H. Crockett and Painter D. D. Spangler. At right, Guard G. A. Cowan is shown entering the new headquarters with an armful of uniforms and receiving directions where to put them from Sgt. J. P. Seagle, as Electricians A. L. Franklin and W. C. Munsey work on last-minute wiring for the new assembly room.

Y-12 Photos By Vince Moore

## 'Chemistry Headlines' Program Announced

A recorded scientific interview made at the recent national convention of the American Chemical Society in San Francisco will be presented during the weekly radio "Headlines In Chemistry" program at 4:45 p. m., Saturday, April 16, over Oak Ridge Station WATO.

A. C. Jealous, former Y-12 employee, conducted the interview with Dr. H. B. Charnbury and Dr. Louis C. McCabe, nationally known chemists, at the convention.

### Program Arranged By ACS

The "Headlines In Chemistry" program is a weekly science news program presented by the East Tennessee Section of the American Chemical Society. It is presented by WATO at 4:45 p. m. each Saturday and over Station WGN, Knoxville, at 10 p. m. each Monday. The programs are prepared alternately in Knoxville and Oak Ridge and exchanged by the stations.

Joseph E. Lee, Jr., Dept. H12D in Y-12, is a member of the ASC Section Radio Committee that arranges the programs. Dr. A. C. Noonan, associate professor of chemistry at the University of Tennessee; Arthur S. Olson, Leonard Fromm and A. C. Jealous, all of the Oak Ridge Laboratory, are other members of the group.

### Y-12ers To Be Heard

Several Y-12 scientists and chemists are expected to appear on "Headlines In Chemistry" in the near future.

## Parking Lot Road At North Portal Will Close Wednesday

As a safety measure and to avoid traffic congestion, the roadway entrance from the East Parking Lot at the North Portal to the center lanes at the portal will be closed Wednesday, April 13. Motorists entering the central lanes in the future must come direct from the Bear Creek Road.

Elimination of the traffic from the central areas at the North Portal through the diagonal roadway to the Bear Creek Road is expected to eliminate congestion and also protect numerous pedestrians using the traffic lane.

### WATER HELD ESSENTIAL

Everyone should drink from four to eight glasses of water daily, according to Metropolitan Life Insurance Co. nutritionists.

## Guard Department Moves To New Centrally Located Headquarters

Moving week was observed by the Y-12 Guard Department last week and after several days of what might be called "orderly confusion," the department has settled down to routine duties in the new quarters provided in Bldg. 9706-1.

The move from former headquarters in Bldg. 9705, places the department in a more central and convenient location from which to operate and perform its duties. The new headquarters in Bldg. 9706-1 formerly was the old medical building. It is of permanent construction with an attractive cream-colored tile finish. Bldg. 9706-1 has been completely renovated and redecorated for its new function with workmen being busy for several days cleaning, painting, installing new plumbing and other equipment.

### Ready By End of Week

The moving project started last Monday with relocation of the telephone and alarm system being one of the first items on the agenda. Then came the transfer of lockers and other equipment from the old guard headquarters. By the end of the week everything was ship-shape for normal operations with only some grading outside the structure and minor work inside left to be done.

One of the features of the new building is the new operations desk that is the key to the alarm, telephone and radio communications system of the department. The desk was designed by the Y-12 Engineering Department and patterned after the most modern equipment of its kind with some modifications to accommodate it to needs of this plant. The equipment is in service 24 hour per day and operated by four desk sergeants who keep their fingers on the pulse of departmental operations throughout the plant area. Insuring continuous operation is the fact that an independent power supply is available for operation of the alarm, radio and telephone systems.

Dept. A14N, Electrical Equipment Repair and Maintenance, fabricated the new operations desk and installed the equipment in its new location.

### How Building Is Arranged

The new operations desk is located on the left as visitors enter the main door of the building into a lobby. Further to the left is the new assembly room and across the hall are light and airy locker rooms. Adjoining the locker rooms are showers and wash rooms. The right wing of the building is occupied by offices of Chief Miles H. Bradford, Assistant Chief W. O. Watson and other officers of the department.

## Absenteeism Drops To 2.9 Per Cent

Only one Y-12 department showed up with a perfect attendance record for the week ending April 3, but the plant absenteeism record as a whole showed a decrease of .2 per cent from the previous week for a mark of 2.9 per cent.

### Automotive Repairmen Repeat

Dept. A12T, Automotive Repair Shop, was the department with the record of no absences for the week ending April 3. It was the second straight week the repairmen had achieved this mark and it earned them undisputed possession of first place in the Minor League.

In second place in the Minor League was Dept. M15P, Chemical, which had an absentee record of only .5 per cent. This group jumped from eighth place held the previous week. Third place in the Minor League was retained for the second straight week by Dept. B12A, Superintendents, which had an absentee mark of an even one per cent.

### Field Maintenance Also Repeats

Dept. A20N, Field Maintenance, held first place in the Major (Continued On Page 2)

## Employees Without Badges Get Them At Portal Office

Issuance of all the new blue-bordered identification badges for Y-12 employees for admittance to Areas No. 1 and No. 3 was completed last week and the old badges became obsolete at 6 a.m. Monday morning, April 11.

Any employee who for any reason, such as being sick or on vacation, has not received a new badge should obtain it at once at the Badge and Pass Office, North Portal.

No new badges were issued for areas where exchange badges are required and the old badges for those areas will remain valid.

### CURE FOR HARD WORK

Hard work in itself seldom causes fatigue that cannot be cured by a good sleep or rest.

## Portrait Contest, Talk Set By Club

Portrait photography will monopolize the regular monthly meeting of the Carbide Camera Club set for 7:30 o'clock tonight in the club headquarters in the Y-12 East Portal. Robin Thompson, commercial photographer from Fountain City and a former Y-12 employee, will make his second appearance before the club to discuss portrait photography and the club's monthly black and white print competition will be on the same topic.

### Many Good Entries Submitted

Harry Bainbridge, of Y-12, president of the Carbide Camera Club, has announced that a large number of excellent prints have been submitted for the contest and that competition is expected to be close for top honors.

At the January meeting of the club Thompson gave a demonstration of lighting and posing for portrait making and at the meeting tonight he will display some of his own portrait work. Thompson also is scheduled to criticize some of the photographs made by club members at the January meeting when they followed instructions given by the Fountain City visitor.

### Interest In New York Contest

Several members of the club have expressed interest in the contest (Continued On Page 4)

## Y-12's Calculator One Of Meeting's Feature Exhibits

One of the outstanding exhibits at the Association for Computing Machinery to be held in Oak Ridge next week undoubtedly will be the 604 Electronic Calculator, developed by International Business Machines and now in use in Y-12 by Dept. M12M, Material Control, for computing many complex mathematical problems in connection with the work of the department. The "604" will be on display during the three-day session of the association and its work will be demonstrated by members of the Y-12 department.

### Third Meeting of Association

The association is meeting in Oak Ridge under auspices of the Carbide and Carbon Chemicals Corporation installations, the Oak Ridge Institute of Nuclear Studies and the NEPA Division of the Fairchild Engine and Airplane Corporation. The meeting is the third for the association since it was founded in 1947. The association now has approximately 500 members.

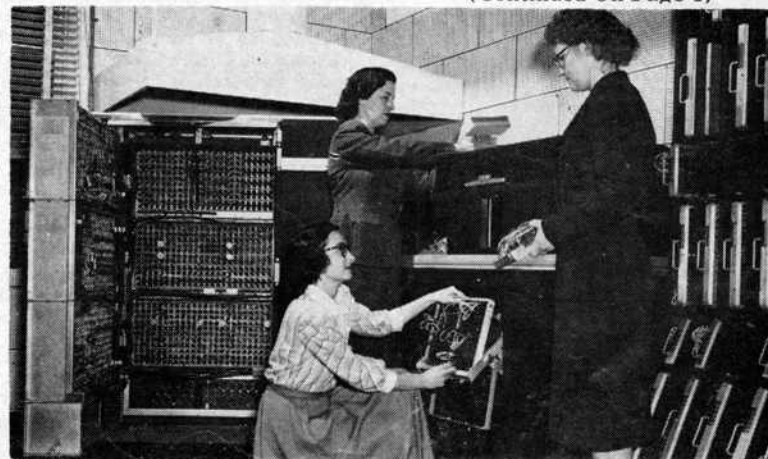
Most delicate and complex of the many calculating machines in the Dept. M12M office, the "604" is not particularly imposing—outwardly, that is. However, inside its cabinets are miles of wiring and intricate electronic devices that enable the machine to perform almost unbelievable feats.

### 100 Calculations Per Minute

For instance, the "604" can handle mathematical calculations of considerable complexity at a rate of 100 per minute. In handling the computations it can perform as many as 40 steps per calculation. It will add, subtract, divide and multiply, doing any of the operations singly or in combination.

International Business Machines installed the "604" in Y-12 in January of this year and it is the first of its kind manufactured and delivered by IBM. The "604" really consists of two units. The smaller of the two units reads the figures from a punched card and a cable carries electric impulses into the larger unit. In this larger unit the exact calculations are made and the results are transmitted back to the smaller unit which in turn indicates the results on the cards.

Operating and demonstrating the "604" at the Association for Com- (Continued On Page 4)



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Y-12 Photos By Vince Moore

UNITS OF THE INTERNATIONAL BUSINESS MACHINE'S 604 Electronic Calculator and employees in Dept. M12M who will demonstrate its use at the meeting of the Association for Computing Machinery are shown above. Standing at left is Hallie Leicht inserting cards in the punching unit. At right standing is Phyllis Johnson ready to exchange one of the panel parts of the machine with Jean Vehr, kneeling. These panels, shown at right, aid the computation of the many problems handled by the machine. The "brains" of the "604" are shown at left. It handles mathematical calculations at a rate of 100 per minute from "reading" the cards inserted in the smaller unit.



# Y-12 Bulletin

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## Benefit Concert For Contest Trip Is Set By Band

At least a dozen proud Y-12 parents of youthful musicians in the Oak Ridge High School band will be on hand at a concert set for 8 o'clock Wednesday night, April 13, to raise funds to send the band to the state contest in Murfreesboro. The Oak Ridge group won the right to participate in the state high school band concert by gaining a superior rating in a recent contest in Knoxville.

The concert tomorrow night will be given in the high school auditorium and tickets will sell for \$1 each at the door.

Among the Y-12 employees whose children play in the high school band and the youngsters themselves are A. H. Anderson and Al Anderson, Pat Hamrick and Jo Ann Hamrick, C. W. Toney and Sue Toney, T. A. McKenzie and Vivian McKenzie, R. S. Phillippi and step-daughter Mary Lou Peters, Dr. C. E. Norman and Tom and Charles Norman, W. A. Eubank and George Eubank, Robert Hilton and Betty Hilton, Y. E. Payne and Grant Payne, L. E. Wilton and Larry Wilson, J. P. Wood and Mary Anne Wood, J. M. Lister and Joe Lister. Ronnie Kirk, son of J. H. Kirk, former Y-12er and now with the Oak Ridge National Laboratory, also is a member of the band, which has 70 members.

Jo Ann Hamrick won superior rating for her solo work on the trumpet in the Knoxville contest, adding this honor to many others she already has acquired.

The public is urged to attend the concert so that the band may be assured of making the trip to the state contest. Many competent observers believe the Oak Ridge youngsters have a good opportunity to rate high in the event.

## Ziemke To Talk At Naval Meeting

P. C. Ziemke, of the Y-12 Safety Department, will speak on electrical hazards and show a motion picture on the subject at the Naval Reserve headquarters on the Alcoa Highway from Knoxville at 6:30 p. m., Thursday, April 14. Samuel Sullins, former employee in the Y-12 Safety Department and now holding a similar position at K-25, will be in charge of the meeting. Sullins is a lieutenant in the Naval Reserve.

## Group To Present 'The Messiah'

Selections from George Frederick Handel's "The Messiah," will be presented at the pre-Easter concert by the Oak Ridge Music Listening Group at 8 o'clock Thursday night in the East Lounge of the Ridge Recreation Hall. The selections are by Columbia recording from the Huddersfield Choral Society. Admission is free and the public is invited.

## 'Melodeers' Picture By Helen Bean

The picture of "The Melodeers" quartet appearing on Page Two of the Y-12 Bulletin on April 5 was made by Miss Helen Bean, a freelance photographer of Clinton. The picture was provided The Y-12 Bulletin by members of the quartet.

Optimist: A man who marries his secretary, thinking he'll be able to continue dictating to her.



Y-12 Photos By Vince Moore

FELLOW EMPLOYEES AND FRIENDS OF MRS. DORA TINDALL, Dept. B12L, tendered her a linen shower March 21, in honor of her marriage on February 14 to Thomas Tindall, a University of Tennessee student. The affair was given at the home of Eunice Jones and Thelma Cole, both of Y-12 and who were hostesses. In the picture of the event, above, seated on the floor, left to right, are Earline Banic, Martha May and Alice Johnson. In the second row, from left, are Patsy Levin, Fannie Arnold, Mrs. J. W. Tindall, mother-in-law of the bride; Helen Hatchworth, Sammie Hart, Mrs. Dora Tindall, the honoree; Margaret Eager and Ann Hart. Standing in the rear are Eunice Jones, Thelma Cole, Marie Dinsmore and Daisy Ward.



Harry Keen, Dept. M12P, and his family are spending their vacation sight-seeing in Washington, D. C. . . . Corinne Pelzer and her husband are visiting with friends in Panama City, Fla. . . . Get well wishes are extended to Martha Ray and Lena Newsome, who are on the sick list . . . Iwada Boshears and Polly Lawrence are back on the job after vacationing down Texas way . . . Ruby Jones is resting at her home in Morristown.

Dept. A12W extends get well wishes to W. D. Lavers, Assistant Y-12 Superintendent, who is ill at his home in Oak Ridge . . . H. M. Payne was called to Nashville because of illness in his family.

June Wilkerson, Dept. A14J, is vacationing at Miami Beach, Fla., this week, and plans to spend most of her time on the beach—hoping to get a good start on a summer tan . . . The welcome mat is out to C. J. Marrow, who is back on the job after being ill.

Dept. A12S extends a speedy recovery wish to P. H. Redmon, who is ill at his home in Wartburg, Tenn. . . . Emma Puckett made a week-end trip to Shelbyville, Ky., to visit her mother . . . M. R. Redmon plans to do a little farming at his home near Wartburg during his vacation this week.

Lloyd Tolliver, Dept. M15P, is spending his vacation taking care of his wife, who is ill. We extend a speedy recovery wish.

Clarence E. Johnson, Dept. A12J, and his wife, Elizabeth, former Y-12er, spent a recent week end in Starkeville, Miss.

Edith Zarzecki, Dept. H12L, and her husband had as dinner guests last week Mr. and Mrs. Sam Long, of Clinton . . . Get well wishes are extended to H. E. Penland, Henry Gibson and O. M. Garrett, who are on the sick list . . . George Chilton, Dept. H12L, and Don Hill, Dept. B12A, with their sons, went fishing at Fort Loudon lake recently and report a catch of 36 crappie . . . W. W. Davis and his family visited with his parents in Lansing, N. C.

There's more to this than meets the eye—It seems that Vincent Moore, Y-12 photographer, and his good wife, Lois Alma, were born on the same day of the same month of the same year, back in—but that would be telling. Just to prove a man can never catch up, Vince is two hours younger than his wife. To make it a little more of the same—their fathers have the same first and last names, James Moore.

Y-12 Guard Department Chief Miles H. Bradford returned to work last Thursday after recovering from injuries sustained several days ago in an automobile accident near Lebanon, Tenn. . . . W. E. Spraker, G. S. Pollitt and Arthur Mitchell, of Dept. A12G, are on the vacation list.

J. C. Ezell, Dept. A14N, presented 22 crow beaks to the Sports-

men's Club at the end of the crow shooting contest, which made him eligible to win the tenth prize. The prize was a crow caller and Ezell hopes to really make the crows scarce in the section of the country with the help of the new lure. Evan Means reports a big event—the launching of the new motor boat—which he has finished and says it's a neat job even if he did make it.

Doris Moore, Dept. A12L, had as recent guests Esker Moore and his family from Cut Bank, Mont. . . . Mozelle Kennedy, Dept. A12L, and her husband, John, Dept. A14N, went to Wichita Falls, Tex., to visit with their families.

Dept. B12L extends get well wishes to Betty Sherman and Dora Jindall, who continue ill . . . Elva Joyce is back on the job after a three-week illness—welcome back . . . R. L. Jamison and his wife, Alice, traveled to Little Rock, Ark., to visit with his parents, who returned to Oak Ridge with them for a visit . . . Juanita and Cornelia Moore made a trip to Carthage, Miss. . . . Nell and Jim Charles were the recent week-end guests of Roger Brotherton and his family in Mossheim, Tenn.

Earlene Elder, Dept. M12P, had as a recent guest her sister, Anna-wiess, of Boab, Ala.

## 'Barber Of Seville' Coming April 20-21

As a public service, the Oak Ridge Music Listening Group is bringing the Italian motion picture, "The Barber of Seville," to the Center Theater for showing Wednesday and Thursday, April 20 and 21. The picture depicts Rossini's opera in full with an excellent cast and Deems Taylor, New York music critic, narrates the story at the beginning of each act.

Y-12 music lovers may obtain tickets from Joe Lee, Dept. H12D, Bldg. 9733-2. Tickets also are on sale at the Music Box. They sell for 60c.

## Drink By Any Other Name Is As Potent

The drink by any other name is just as potent—but Italians are seeking a new name for "cognac." For years they have labeled brandy in this manner.

The new Italo-French trade treaty protects the name "cognac" for exclusive French use and the Italians will have to find a new name by July 1, 1949. Favorites at the moment, according to a recent news story from Rome, are "coniac" (with an "i" instead of a "g"), "vinicac," "brandy tre stelle" (three stars) and "arzentio." The last is reported slightly in the lead.



## SCHEITLIN-DRAUGHN

Miss Ruth Draughn, Dept. H12D, and Frank Scheitlin, Dept. H12L, were married March 19 in Lake City, Tenn.

The bride is the daughter of Mrs. J. J. Lawson, of Appalachia, Va. Scheitlin is the son of Mrs. Alberta Hitch, of Evansville, Ind. He is a graduate of the University of Indiana.

After a Southern wedding trip, the couple now is living at 166 Alger Road.

## AEC Sets \$150 Per Acre Price For Church Sites

A price of \$150 per acre has been set by the Office of Community Affairs of the Atomic Energy Commission for sale of land in Oak Ridge for church purposes. Fred W. Ford, acting director of the Office of Community Affairs, has announced that 15 religious groups already have made selections of sites offered for sale. All of the sites now are vacant.

Actual sale of church sites now can be accomplished immediately, Ford said, and several denominations have indicated their intention to take advantage of the opportunity to acquire land at once. Deeds will specify that church construction on the sites begin within five years and buildings completed within seven years from date of purchase of the land.

## Branded Dogs Help Identify Roving Canines

Branded dogs to facilitate in identification of roving canines has been introduced in New York City by the National Dog Record Bureau, according to a recent press dispatch. The technique of painless tattooing of the inner side of the right hind leg with a serial number, has been demonstrated to the American Society for the Prevention of Cruelty to Animals.

A number is designated for each state and each county within a state. The dogs are numbered in order as they are tattooed in each county so if New York is represented by No. 30, a certain county by No. 31 and the dog is the 77th to be branded—identification number would be 30-31-77. The work, known as Identcode, plans to keep records on individual dogs for 20 years so that missing or "dog-napped" canines can easily be located.

The bumper crop of all—pedestrians bumped by bumpers.



Mrs. and Mr. Frank Scheitlin

## Absenteeism Drops To 2.9 Per Cent

(Continued From Page 1)

League for the second straight week by turning in an absentee mark of only .3 per cent, the same record reported for the week ending March 27. Dept. H12L, Isotope Development, reported an even one per cent of its personnel absent to take second place for the period ending April 3, jumping from fourth place. Dept. M12E, Process Development, climbed from sixth place to third with an absentee mark of 1.2 per cent.

The complete record of absenteeism in Y-12 for the week ending April 3, by departments, follows:

MAJOR LEAGUE			
Dept.	Percentage Absent	Scheduled Standing	4-3-49
A20N	0.3	1	1
H12L	1.0	2	4
H12E	1.2	3	6
A14N	1.77	4	2
A12S	1.80	5	3
B13L	2.4	6	11
A16N	2.7	7	5
M12P	3.0	8	10
H12D	3.1	9	9
A17N	4.0	10	12
A12G	5.1	11	7
B12L	6.4	12	8

Group absentee percentage was 2.8 per cent, .1 per cent higher than the preceding week.

MINOR LEAGUE			
Dept.	Percentage Absent	Scheduled Standing	4-3-49
A12T	0.0	1	1
M15P	0.5	2	8
B12A	1.0	3	3
A12N	1.05	4	4
A12D	1.11	5	7
A13W	1.3	6	13
A19N	1.4	7	5
A14J	2.8	8	14
A12A	2.85	9	9
A12W	2.94	10	2
A12R	3.4	11	10
A12M	5.00	12	15
M12M	5.00	12	1
A13N	5.2	13	11
M12S	5.3	14	12
A13T	5.5	15	6

Group absentee percentage was 3.1 per cent, .8 per cent lower than the preceding week.

The plant average for the week ending April 3 was 2.9 per cent, .2 per cent lower than the preceding week.

## Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital recently: Clarence H. Jewell, Dept. A12G; Betty Jane Sherman, Dept. B12L; Martha R. Ray, Dept. M12P; W. Douglas Lavers, Dept. B12A; Boyd Haney, Dept. M12S.



Y-12 Photos By Vince Moore

A GROUP OF MERRYMAKERS AT THE APRIL 1 DANCE OF Beta Sigma Phi sorority that included mostly present and former Y-12 employees is shown above. Left to right, sitting, are Bob Mynatt, Helen Matthews, Charles Claffey, Juanita Fugate, George Hall, Velma Campbell, Bob Blair, Damon Headder, Ruth Starne, Elizabeth Howard and Bill McEvol. Standing, from left, are Jack McWherter, Clarice McWherter, Ed McCombs, Martha McCombs, Jack Leicht, Hallie Leicht, Paul Brownfield, Jean Brownfield, Nancy Doane, Jack Baxter, Retha Luce and James Richardson.



# Y-12 DIAMONDEERS BEGIN DRILLS THIS WEEK

## SPORTS NEWS



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NOT ONLY ONE, BUT TWO, "CHAMPIONSHIP" BOWLING teams in the Dept. H12L League received trophies at the departmental April 1 party—and there wasn't any fooling, either. In the top picture, Y-12 Recreation Director Arnold Tiller presents trophies to the Cherry Pickers, winners of the regular league season. Left to right are Tiller, J. R. Sites, Joe Patton, Tom Crabtree, J. B. Capehart and Bill Prater. In the lower picture, the Apple Knockers, winners of a special league roll-off tournament, receive prizes from Dr. C. P. Keim, Superintendent of the Y-12 Isotope Development Department, at left. Others, from left, are George Chilton, Bill Leyshon, J. R. Love, Willard Chapman, Ed Scofield and Leo Caldwell.

### Plant Softball League Of Eight Teams Formed; Play To Begin May 9

An eight-team plant softball league was successfully organized last Thursday and Friday at meetings of team representatives in the Y-12 Recreation Office in the North Portal. Play will begin Monday, May 9.

The Oak Ridge Department of Recreation has announced that softball fields will be available for practice this week. Y-12 plant teams wanting practice dates are asked to communicate with Recreation Supervisor Arnold Tiller, North Portal, telephone 7-8252 to obtain bookings for practice sessions and to obtain equipment. Teams, Managers Are Listed

Teams represented at the meetings last week, their managers and departments from which the playing personnel will be selected follow:

All Stars, Lewis Twichell, Dept. H12D.

Bums, J. C. Harmon, Dept. A12S.

One-91, J. W. Redmon and Bill Goodman, Dept. B13L.

Kill-Balls, L. E. Ramsey, Dept. M12P.

Wolves or Maintenance, Morris Bailis, Dept. A20N.

Bldg. 9212, Ralph Ford, Dept. M12P.

Isotopes, Joe Patton, Dept. H12L.

Fire Department, E. L. Moore, Dept. A14J.

To Play Split Season

The playing season will be divided into two halves with the winners of each playing a post-season series to determine the regular season winner if different teams finish in front in the two periods. A double elimination tournament following the regular season also is planned.

Rules covering eligibility of players and other details adopted by the team representatives last week closely follow the league regulations in effect last year.

Control Board To Function

A board of control of three men will administer affairs of the league this season, handling protests and other matters presented for consideration. The board membership as well as officers of the league will be announced in The Y-12 Bulletin next week.

### Katherine Jenkins Taking Bowling Banquet Reservations

Women bowlers of Y-12 have been urged to make reservations early if they intend to be present at the banquet to be given by the Oak Ridge Women's Bowling Association at 6:30 p. m., Tuesday, April 26, at the Oak Terrace. Entertainment will be provided, favors presented and officers elected for next season.

Katherine Jenkins is Y-12 representative in the association and reservations may be obtained from her. Applicants are asked to express preference for companions at the banquet. Miss Jenkins' telephone number is 7604 in Y-12 and 5-4662 at home. Tickets sell for \$1.70 each and include dinner and prizes.

### Derby Day Dance And Dinner Planned By Country Club

A gala Derby Day dinner and dance is being planned by the Oak Ridge Golf and Country Club on the night of May 7 at the Oak Terrace. A cocktail hour, dinner and dancing will be on the program being arranged by the club entertainment committee.

Club members hope that the new clubhouse building will be in place on its site at the golf course west of Oak Ridge shortly after May 1. Tentative plans now are being made for opening ceremonies at the new clubhouse about July 4.

Mary: "How is it Bill never takes you to the movies anymore?"

Helen: "Well, one evening it rained and we stayed home."

### Cardinals To Practice Wednesday, Saturday At Oakwood Field No. 2

With skies clearing and prospects that spring is, at long last, here to stay, the Y-12 baseballers were called into action late last week and held their first workout of the season Monday afternoon at Oakwood Diamond No. 2. Manager Bill Burns and Recreation Supervisor Arnold Tiller were in charge of the drill and their main job was to curb over-enthusiasm on the part of the diamonders to prevent excess soreness after the session.

The Cardinals will hold another workout at 6 p. m. Wednesday, April 13, at the Oakwood "beach" and again on Saturday at the same hour. The next practice session is scheduled for Wednesday, April 20, same time and place.

All Candidates Are Welcome

All Y-12 employees wishing to try out for the plant team are urged to report for the practice sessions. Manager Burns has emphatically announced that no positions on the team are clinched and that all available help will be welcomed.

At a meeting in the Oak Ridge Department of Recreation Office last Friday prospects loomed bright for a six-team league to operate in the Atomic City this summer. All three Carbide plants in Oak Ridge were represented at the meeting and a representative from Oliver Springs also was on hand. Negotiations are underway to obtain a team from Clinton and the Oak Ridge Community Stores to round out the loop.

League play is expected to begin shortly after May 15 with two games weekly being scheduled. No league games will be scheduled on Saturdays or Sundays, allowing the league teams to engage in outside contests.

Y-12 Varsity Tops In Class

The Y-12 varsity team entry in the Oak Ridge City League, took first place in the Class C team play. The Y-12ers rolled a neat 2,574 to finish well ahead of two teams tied for second place. Those teams were Lay's Chippers, from Nashville, and Locke Brothers, of Shelbyville. Both posted scores of 2,506.

Rolling for the Y-12 varsity outfit in the team competition were Nick ZaBenco, Ernie Cobble, Rudy Pletz, Bruce Whitaker and Harold Ratjen.

The Rippers and All Stars, plant league bowling teams from Y-12, also participated in the tournament.

Gragg Posts Good Scores

Frank Gragg, winner of high individual honors in the Y-12 pin tournament several weeks ago, took second place in the Class A singles in the state tournament with a fine 610 series. Ed Broterton, Memphis, won this event with a score of 635. Gragg paired with Conrad Roberts, another Y-12 bowler, in doubles to represent the Eagles Club and the team finished second with a score of 1,116. They were barely nosed out by Jack Farabee and R. Hayes, of Chattanooga, who rolled 1,165.

E. Koons, another Y-12 kegler, posted a 584 series to finish second in the Class C singles.

ZaBenco posted high score of all Y-12 bowlers participating in all events in the tournament, showing a 1,650. Cobble toppled 1,591 pins in all events.

Smallpox Rapidly Nearing Extinction

Statisticians of the Metropolitan Life Insurance Co. point out that smallpox is rapidly approaching extinction in the United States. In 1947 there were only 173 cases of the disease reported in the entire country, as compared with 356 in 1946 and 11,637 in 1937. This is a reduction of more than 50 per cent in a single year and of more than 95 per cent in a decade.

Smallpox Rapidly Nearing Extinction

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### Checker Meet Draws 16 Players; Finals Set Wednesday Night

The first mass attempt at checker play in Y-12, staged last Wednesday night in the Employment Office at the North Portal, proved a decided success with 16 players turning out to participate in the first rounds of a tournament that will be completed this week. The tournament title will be decided at 7:30 o'clock Wednesday night of this week with play being continued in the Employment Office waiting room.

Pairings in the tournament were determined by drawing and in the lower bracket of the championship Vic Defenderfer reached the finals with a victory over Earl Fritz. In

the top part of this bracket H. O. Ramey and Don Musser will play for the right to meet Defenderfer.

In the consolation bracket played by losers in first round of play, Frank Knox and A. H. Inman will clash in the finals this week.

The tournament, arranged by Recreation Supervisor Arnold Tiller, proved popular with all the players and many urged a repeat performance of the event at a later date. Although novices and experts were among the 16 players competing last week, play in many games was close and a number of draws were reported. Each match was for the best two out of three games.

### Plant Golf League Is Perfected; Match Play To Begin On May 14

A Y-12 plant golf league organization was perfected at a meeting held last Thursday in the plant cafeteria with play scheduled to begin Saturday, May 14. Rules for competition and other preliminary details were set at the meeting last week.

Competition between the two-man teams in the league will be entirely on match play with handicaps prevailing. All players must post scores on a minimum of 36 holes played before Sunday, May 8, on which handicaps for the season will be based.

Teams Determined By Drawing

Any golfer in the plant wishing to play in the league is urged to communicate with the Recreation Office, North Portal, telephone 7-8252, and make known their desire to play. After all qualifying scores are posted the two-man teams will be determined by a drawing. A meeting for this drawing will be held at noon, Tuesday, May 10, at the Y-12 cafeteria.

To insure even competition the entrants will be separated in the drawing into two equal groups. One will be composed of the golfers with the highest scores in qualifying and the other from the low scorers. In drawing for team partners, one team member will be selected from one group and one from another.

Three Matches Per Month

During the regular league schedule each team will be scheduled for three matches each month. Each match will be for nine holes unless the competing teams agree to a longer distance. The league schedule will be on a round robin basis and will last long enough to allow each team in the league to play every other team once.

A workman was bent on setting up his ladder so that he might reach the Independence Hall clock tower. An inquisitive lady tapped him—"Something wrong with the old timepiece?" she inquired

"No madam," came the crisp reply, "its just that I'm a bit too nearsighted."

### Y-12 And R-A Meet For Title Next Monday

The pocket billiard championship of Oak Ridge for the season will be determined in a playoff between the cuemen of Y-12 and Roane-Anderson next Monday night, April 18, at the Cue and Cushion. The Y-12 lads under Capt. M. C. (Red) Wiest, won top honors in the first half of the season and the Roane-Anderson team walked away with second half honors.

The Y-12ers played K-25 last night with second place in the Oak Ridge City League at stake. The home boys had to take all six points to gain a tie for runner-up position.

Roane-Anderson clinched second half honors by whitewashing the Y-12 stick wielders on April 3. However, the losers went down scrapping as three exceptionally close games were staged. Griffin topped Wiest 75-71 and Soard scored a similar verdict over C. E. Harris, while W. C. Walker, of Y-12, forced Moore to go all out to score a 75-68 triumph. Tallent, of Roane-Anderson, beat H. W. Burnett 75-55 and W. B. Motley had an off night by only managing to bag 23 balls while Frye ran out his 75. The total ball score was 375 to 288.

### RADIOACTIVE ORES SHOWN

An exhibit of raw radioactive ores containing uranium has been placed on display at the Rochester (N. Y.) Museum of Arts and Sciences. The specimens were loaned by Ward's Natural Science Establishment.



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Y-12 Photos By Vince Moore

IT MAY BE 12 DAYS AGO THAT IT ALL HAPPENED—BUT Dept. H12D employees and invited guests are still talking about the high-jinks at the April Fool Party given at the Jefferson Recreation Hall. So, to record the event for posterity, above and at right are some of the high spots of the high-jinks as pictured by The Y-12 Bulletin photographer. The fun note theme of the entire shindig is demonstrated by the picture above and if any of the principals need identifying they are the Chris Keims and the Wes Savages. The picture story at the right is of one of the main features of the entertainment in which the April Foolishers gave their magic lantern version of a Y-12 annual physical examination. (Editor's Note—Dr. Paul Scofield, Y-12 Medical Director, was NOT present.) So, in sequence, here are the Dept. H12L ideas. No. 1. "Victim" approaches "Sawbones" confident of perfect health and whistling his indifference to coming proceedings. (Oh, what is going to happen to him!) No. 2 Oooh—lookit that temperature—he's about to blow a gasket. No. 3. Well, out with the tonsils (?) No. 4. Well, might as well get the appendix—and look at that anaesthesia! No. 5. Off with his head, the patient has a sore throat. No. 6. That was enough for the customers so the three Bills—yes, that's right, Chapman, Bell and Prater, relieve the tension in the audience. Need it be said that everybody had a big time?

## Record Entry Seen For Dog Show; Local Owners Get Chance To Win

A record entry list of more than 300 dogs is expected at the third annual all-breed show to be staged by the Oak Ridge Kennel Club Saturday, April 23, in the new gymnasium of the Jefferson Junior High School. J. W. Ebert, member of the club's bench show committee; and D. J. Johnson, of K-25, chairman of the group, made the prediction last week and pointed out that the previous largest entry

list was about 250.

### Former Y-12er To Be Judge

Three prominent authorities on dogs have been selected to judge the event here. They are Carroll G. Stewart, former Y-12 employee and now of Kingsport, who will judge all hounds; Alfred Le Pine, Carrallton, Ohio, who will judge all sporting, non-sporting, terrier and toy breeds; and George Peters, Knoxville, who will judge all working breeds. Weston Booth, of Knoxville, will judge the children's handling class at the show.

Some of the finest dogs in the nation are expected to be entered in the Oak Ridge show, coming from almost every state in the country. The Oak Ridge Kennel Club is on the circuit of the Southeastern Association of Kennel Clubs composed of clubs in Oak Ridge, Birmingham, Ala., Atlanta, Macon and Columbus, Ga., Knoxville and Chattanooga.

### Contest For Local Entries

As an added incentive to Oak Ridge owners to enter dogs in the show, Ebert announced last week that a "show within a show" would be staged to permit competition between local canines and prizes for best local entries would be awarded in different classes. Any Oak Ridge dog owner wanting to enter his pet in the show is invited to call Ebert at 5-6025 or Johnson at 5-2205 for full information.

Native: "What do you think of our little town?"

Guest: "It certainly is unique."  
Native: "What do you mean, unique?"

Guest: "It's from the Latin 'unus' meaning 'one' and 'equus' meaning 'horse.'"

## Ford Motor Co. Using Isotopes For Inspections

The publication "Business Week" in a recent issue pointed out that the Ford Motor Co. is utilizing radioisotopes in its efforts to find ways of using them in material processing, radiography, measuring the level of liquids and controlling thickness in sheet-metal manufacture. However, Ford is not limiting its plans to these uses as its research staff expects that radioisotopes will play a big part in many other phases of its manufacturing operations.

Ford started its research work with radioisotopes on receiving shipments of Cobalt 60 and Selenium 75. Cobalt 60, Ford men find, they are suitable for inspection of thick metal sections while Selenium 75 is used to inspect thin sections since the penetrating power of its radiation is lower. A combination of isotopes of these elements are found ideal for radiography of a wide range of materials of varied thickness.

## Y-12's Electronic Calculator One Of Principal Exhibits

(Continued From Page 1)

puting Machinery meeting will be Hallie Leicht, Jean Vehr and Phyllis Johnson. F. C. Uffelman is supervisor of the Material Control Department.

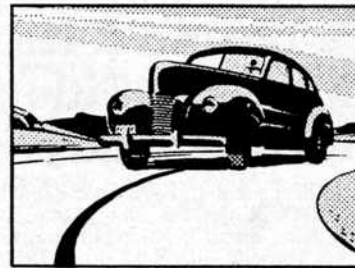
The modern computing machinery, such as will be on display and discussed at the association, enables scientists to delve into many areas of research that would be impossible without these electronic marvels. Many of the modern machines, including the "604," compute in seconds problems which might require months for a trained mathematician to solve.

### Only Few In Existence

Only a few of these modern computing machines are in existence. The first, and most famous, is the "Eniac." It was started in 1939 and completed in 1944. It handles approximately 2,000 additions or from 400 to 500 multiplications per second. It now is located at the Aberdeen Proving Grounds, Md. Other types of machines are the "Mark I" and the "Mark II." The first is in use at Harvard University and the other is owned by the Navy. Another computing marvel is the "Selective Sequence Electronic Calculator" that grinds out lunar positions with monotonous regularity. Generally speaking, improvements in the field are so rapid that only one machine of a kind is being built at one time.

Dr. John W. Mauchly, president of the association, will preside at the Oak Ridge meetings. He designed the "Eniac." Others on the program include Dr. Mina Rees, chief of the mathematics section of the Office of Naval Research; Dr. C. C. Hurd, International Business Machines scientist formerly at K-25; Dr. John H. Curtis, of the National Bureau of Standards; Dr. H. H. Aiken, of Harvard University and co-inventor of the "Mark I"; Dr. Franz L. Alt, of the National Bureau of Standards; Prof. S. H. Caldwell, Massachusetts In-

## Speed Causes One Of Three Road Fatalities



One out of every three fatal traffic accidents are the result of speeding on the part of one driver or the other of colliding vehicles—sometimes both.

Motor vehicles improperly driven can be the most deadly of weapons, so care should be taken at all times to keep them under control. "Stepping on it," although the coast may be clear, is dangerous when the speed attained is such that the driver cannot stop within the limit of vision—in other words as far as he can see oncoming traffic or even traffic from side roads, particularly blind crossings.

Driving out of line, on the wrong side of the road and particularly on the inside of curves where a full view of oncoming traffic cannot be had is a cordial invitation for trouble—perhaps fatal trouble.

### KEEP IN CONDITION

Exercise suited to the age of the individual and the type of work done should be taken by all. Suitable exercise stimulates circulation and digestion and keeps elimination regular.

stitute of Technology; Theodore Kalin, Harvard University; Dr. H. D. Huskey and Dr. Gertrude Blanch, National Bureau of Standards; Dr. A. S. Householder and Dr. M. E. Rose, Oak Ridge National Laboratory.

## Portrait Contest, Discussion On Camera Club Program

(Continued From Page 1)

to be held in New York City May 19 by the Union Carbide and Carbon Corporation Camera Club and some entries by Carbide amateur photographers probably will be made. The deadline for entering prints in the New York contest is May 10. Entries in this contest are limited to one per person. The contest is for black and white prints only and they may be large or small just so they are mounted on a 16 by 20 inch cardboard to make the display uniform. The contest is open to all employees of Union Carbide units, of which Carbide and Carbon Chemicals Corporation is one.

## Low-Cost Energy In No Danger

In a recent address in New York City, Sumner T. Pike, member of the Atomic Energy Commission, pointed out that neither oil nor any other reasonable low-cost source of energy is going to be supplanted by nuclear energy within any predictable time. The commissioner said a satisfactory solution of the chemical problems involved in nuclear fuel is the highest hurdle to be cleared before atomic energy can really become useful as a wide-spread source of power. He spoke at a joint meeting of the American Association of Petroleum Geologists, the Society of Economic Paleontologists and Mineralogists and the Society of Exploration Geologists.

### HEART EFFECTIVE PUMP

The human heart, about the size of a fist, pumps enough blood to fill a railroad tank car every two days. The heart also regulates and directs the flow of blood according to needs—something a machine cannot do.

